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Expre il No.: EF415382545US  
Docket No.: 797

11/17/00  
JC715 U.S. PTO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT APPLICATION TRANSMITTAL UNDER 37 CFR 1.53

1c930 U.S. PTO  
09/714936  
11/17/00

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Y. Tom Tang, Ping Zhou, Ryle Goodrich, Chenghua Liu, Vinod Asundi,  
Feiyan Ren, Jie Zhang, Qing A. Zhao, Aidong J. Xue, Yonghong Yang,  
Tom Wehrman, Radoje T. Drmanac

Title: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES

1. Type of application

- x This is a new application for a  
x Utility patent.  
☐ Design patent.  
x Applicants claim small entity status (See 37 CFR 1.27)

2. Application Papers Enclosed

- 1 Title Page  
142 Pages of Specification (excluding Claims, Abstract, Drawings & Sequence Listing)  
4 Page(s) of Claims  
1 Page(s) of Abstract  
0 Sheet(s) of Drawings (Figs. X-X) ☐ Formal ☐ Informal  
723 Page(s) of Sequence Listing

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on November 17, 2000, in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EK415382545US

  
Sandy Fong

**3. Oath or Declaration**

- ☐ Enclosed
  - ☐ Executed by (check all applicable boxes)
    - ☐ Inventor(s)
    - ☐ Legal representative of inventors(s) (37 CFR 1.42 or 1.43)
    - ☐ Joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached
  - ☐ The petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 are enclosed. See Item 5D below for fee.
- x Unexecuted – the undersigned attorney or agent is authorized to file this application on behalf of the applicant(s). An executed declaration will follow.

**4. Additional Papers Enclosed**

- ☐ Preliminary Amendment
- ☐ Information Disclosure Statement
- ☐ Declaration of Biological Deposit
- x Computer readable copy of sequence listing containing nucleotide and/or amino acid sequence
- x Statement Under 37 CFR § 1.821
- x Paper copy of sequence listing identical to computer copy (723 pages)
- ☐ Microfiche computer program
- ☐ Associate Power of Attorney
- ☐ Verified translation of a non-English patent application
- x Return receipt postcard
- ☐ Other \_\_\_\_\_

**5. Priority Applications Under 35 USC 119**

Certified copies of applications from which priority under 35 USC 119 is claimed are listed below and

- ☐ are attached.
- ☐ will follow.

6. **Filing Fee Calculation (37 CFR 1.16)**

A. ☒ **Utility Application**

CLAIMS AS FILED – INCLUDING PRELIMINARY AMENDMENT (IF ANY)						
			SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$355.00		\$710.00
TOTAL	30-20	= 10	X 9 =	\$90.00	X 18 =	\$0.00
INDEP.	3-3	= 0	X 40 =	\$00.00	X 80 =	\$0.00
Γ First Presentation of Multiple Dependent Claim			+ 135 =	\$135.00	+ 270 =	\$0.00
FILING FEE:				\$580.00	OR	\$0.00

B. ☐ **Design Application (\$160.00/\$320.00)** Filing Fee: \$ \_\_\_\_\_

C. ☐ **Plant Application (\$245.00/\$490.00)** Filing Fee: \$ \_\_\_\_\_

D. **Other fees**

☐ Recording Assignment [Fee -- **\$40.00** per assignment] \$ \_\_\_\_\_

☐ Petition fee for filing by other than all the inventors  
or person on behalf of the inventor where inventor  
refused to sign or cannot be reached [Fee -- **\$130.00**] \$ \_\_\_\_\_

☐ Other \$ \_\_\_\_\_

**TOTAL FEES ENCLOSED \$ 580.00**

7. **Method of Payments of Fees**

- ☐ Enclosed check
- x Charge Deposit Account No. 501169. A duplicate copy of this transmittal is enclosed
- ☐ Not enclosed

8. **Deposit Account and Refund Authorization**

The Commissioner is hereby authorized to charge payment of any additional fees due or credit any overpayment to Deposit Account No. 501169. A duplicate copy of this transmittal is enclosed.

Please refund any overpayment to Hyseq, Inc. at the address below.

Please direct all future correspondence to Leslie A. Mooi at the address below.

Respectfully submitted,

Date: November 17, 2000

By: Leslie Mooi  
Leslie A. Mooi  
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